

## Proposal Full View

### Applicant Information

Organization Name  \*

Tax ID **946000428**

Proposal Name Monitoring well installation and data analysis \*

### Proposal Objective

The objective of the proposal is to secure funding to install up to 3 groundwater monitoring wells in areas within the City of Santa Rosa where groundwater data gaps have been identified. The City has a serious need for additional groundwater monitoring wells to provide water level and water quality data for the programs and studies. This lack of site specific data is hampering the City's establishment of baseline hydrologic conditions, and will make it more difficult to identify any potential impacts from the various water resource management plans under consideration for implementation in the groundwater basin. The goal of this project is to increase the number of site specific and depth specific monitoring wells to provide the City with additional information related to the groundwater basin and its response and reaction to both naturally occurring and man-created events. To achieve this goal, this project proposes to install 3 monitoring well sets (nested upper and mid-level monitoring wells can be installed) at three strategically located sites in areas of the City where data gaps have been identified. The monitoring wells will provided needed elevation and water quality information for the proposed Santa Rosa Plain Sub-basin Groundwater Management Plan, the draft Santa Rosa Plain Sub-basin Salt and Nutrient Management Plan and for the CASGEM program. \*

### Budget

Other Contribution	<input type="text" value="\$0.00"/>
Local Contribution	<input type="text" value="\$0.00"/>
Federal Contribution	<input type="text" value="\$0.00"/>
Inkind Contribution	<input type="text" value="\$73,862.50"/>
Amount Requested	<input type="text" value="\$250,000.00"/> *
Total Project Cost	<input type="text" value="\$323,862.50"/> *

### Geographic Information

Latitude \* DD(+/-)  MM  SS   
 Longitude \* DD(+/-)  MM  SS

Longitude/Latitude  
Clarification

Central point of  
Santa Rosa

Location

Areas within  
the City of  
Santa Rosa city  
limits

County

Sonoma \*

Ground Water Basin

Santa Rosa Valley-Santa Rosa Plain

Hydrologic Region

North Coast

Watershed

Russian River Watershed

### Legislative Information

Assembly District

1st Assembly District,6th Assembly District,7th Assembly District \*

Senate District

2nd Senate District,3rd Senate District \*

US Congressional District

District 1 (CA),District 6 (CA) \*

### Project Information

Project Name		Monitoring well installation and data	
Implementing Organization		City of Santa Rosa	
Secondary Implementing Organization			
Proposed Start Date		6/1/2013	
Proposed End Date		9/1/2013	
Project Scope		Install up to 3 groundwater monitoring wells to provide the City with additional information related to the groundwater basin	
Project Description		<p>The City has a serious need for additional groundwater monitoring wells to provide water level and water quality data for the above programs and studies. This lack of site specific data is hampering the City's establishment of baseline hydrologic conditions, and will make it more difficult to identify any potential impacts from the various water resource management plans under consideration for implementation in the groundwater basin. The goal of this project is to increase the number of site specific and depth specific monitoring wells within the City's UGB to provide the City with additional information related to the groundwater basin and its response and reaction to both naturally occurring and man-created events. To achieve this goal, this project proposes to install 3 monitoring well sets (nested upper and mid-level monitoring wells can be installed) at three strategically located sites in areas of the City where data gaps have been identified. The hydrogeology of the Santa Rosa Plain Groundwater Basin is such that there are at least two aquifer zones; the upper zone generally occurring in the 100 to 150 foot range below ground surface, and the next lower zone occurring at a depth of approximately 250 feet. There is also the presence of a deeper aquifer, which generally occurs in the 500 to 700 foot depth range. However, due to the need to maximize the number of nested monitoring wells that can be installed only the upper and mid-level aquifer zones are being targeted in this proposal for the installation of groundwater monitoring wells. Based on the estimated costs for drilling, construction, and development of these nested monitoring wells, it is anticipated that up to 3 monitoring well sets could be installed with grant funding. Each monitoring well will be 4-inches in diameter (to facilitate the insertion of a small diameter submersible pump) and have a screen zone of approximately 20 feet.</p>	
Project Objective		The goal of this project is to increase the number of site specific and depth specific monitoring wells to provide the City with additional information related to the groundwater basin and its response and reaction to both naturally occurring and man-created events. These wells will provide water level and water quality data for a number of on-going groundwater studies and programs.	

### Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage - - Groundwater- Other	0	The project will provide site specific groundwater elevation and water quality information in areas where there are data gaps

Project Objective

### Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	73862.50
Amount Requested	250000
Total Project Cost	323862.50

## Geographic Information

Latitude DD(+/-)	38	MM 40	SS 10
Longitude DD(+/-)	122	MM 37	SS 52
Longitude/Latitude Clarification	Central point of S	Location	Areas within the City of
County Sonoma Ground Water Basin Santa Rosa Valley-Santa Rosa Plain Hydrologic Region North Coast WaterShed			
Russian River Watershed			

## Legislative Information

Assembly District	1st Assembly District,6th Assembly District,7th Assembly District
Senate District	2nd Senate District,3rd Senate District
US Congressional District	District 1 (CA),District 6 (CA)

## Section : Applicant Information and Question's Tab

### APPLICANT INFORMATION AND QUESTION'S TAB

#### Q1. Applicant Information

**Provide the agency name, address, city, state, and zip code of the applicant submitting the application.**

City of Santa Rosa Utilities Department 69 Stony Circle Santa Rosa, CA 95401

#### Q2. Proposal Description:

**Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.**

The City of Santa Rosa (City) is located within the Santa Rosa Plain sub-basin of the Santa Rosa Valley Groundwater Basin, located at the confluence of the Santa Rosa, Bennett, and Rincon Valleys. The Santa Rosa Valley Groundwater Basin is one of the largest groundwater basins in Department of Water Resource's (DWR) North Coast Hydrologic Region and occupies a northwest-trending structural depression in the southern part of the Coast Ranges of Northern California in Sonoma County. This depression divides the Mendocino Range on the west from the Mayacamas and Sonoma Mountains on the east. The Santa Rosa Valley Groundwater Basin has three sub-basins: the Healdsburg Sub-basin, the Santa Rosa Plain Sub-basin, and the Rincon Valley Sub-basin. The City's Urban Growth Boundary (UGB) overlies portions of two groundwater basins: the Santa Rosa Valley Groundwater Basin (specifically two of its sub-basins: the Santa Rosa Plain Sub-basin and the Rincon Valley Sub-basin) and the Kenwood Valley Groundwater Basin. Although the City's UGB overlies portions of the Rincon Valley Sub-basin and the Kenwood Valley Groundwater Basin, the City's groundwater supply is derived exclusively from the Santa Rosa Plain Sub-basin of the Santa Rosa Valley Groundwater Basin. The City does not derive any groundwater supply from the Rincon Valley Sub-basin or the Kenwood Valley Groundwater Basin. The City has on-going groundwater programs and projects and is participating in the development of a number of regional groundwater studies that would benefit tremendously from the installation of additional groundwater monitoring wells. These programs and studies include: ? Development of the Santa Rosa Plain Sub-basin Groundwater Management Plan ? Development of the Santa Rosa Plain Sub-basin Salt and Nutrient Plan ? California Statewide Groundwater Elevation Monitoring (CASGEM) Program ? Development of the City's Groundwater Master Plan Each of these programs and studies would benefit from the installation of additional monitoring wells in areas where data gaps have been identified. The goal of this project is to increase the number of site specific and depth specific monitoring wells within the City's UGB to provide the City with additional information related to the groundwater basin and its response and reaction to both naturally occurring and man-created events. To achieve this goal, this project proposes to install 3 monitoring well sets (nested upper and mid-level monitoring wells can be installed) at three strategically located sites in areas of the City where data gaps have been identified. The hydrogeology of the Santa Rosa Plain Groundwater Basin is such that there are at least two aquifer zones; the upper zone generally occurring in the 100 to 150 foot range below ground surface, and the next lower zone occurring at a depth of approximately 250 feet. There is also the presence of a deeper aquifer, which generally occurs in the 500 to

700 foot depth range. However, due to the need to maximize the number of nested monitoring wells that can be installed with the DWR grant funding, only the upper and mid-level aquifer zones are being targeted in this proposal for the installation of groundwater monitoring wells. Each monitoring well will be 4-inches in diameter (to facilitate the insertion of a small diameter submersible pump) and have a screen zone of approximately 20 feet. The City will continue to collaborate with the Santa Rosa Plain Sub-basin Groundwater Management Plan Basin Advisory Panel, the Santa Rosa Plain Sub-basin Salt and Nutrient Plan team, and the SCWA as the lead agency implementing the CASGEM Program to identify the area's most beneficial to install the groundwater monitoring wells. Using this information, as well as the information and recommendations for the key well monitoring network developed for the City's Groundwater Master Plan, the City will select up to three areas to install the groundwater monitoring wells.

**Q3. Project Director:**

**Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Miles A. Ferris Director of Utilities City of Santa Rosa Utilities Department 69 Stony Circle Santa Rosa, CA 95401 Phone: 707-543-4200 Email: mferris@srcity.org

**Q4. Project Manager:**

**Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Jennifer Burke Senior Water Resources Planner City of Santa Rosa Utilities Department 69 Stony Circle Santa Rosa, CA 95401 Phone: 707-543-3938 Email: jburke@srcity.org

**Q5. Additional Information:**

**Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1) ☐ Northern Region
- 2) ☒ North Central Region
- 3) ☐ South Central Region
- 4) ☐ Southern Region

**Q6. Additional Information:**

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

A groundwater management plan is currently being developed for the Santa Rosa Plain Subbasin. The Sonoma County Water Agency, the wholesale water supplier for the region, has convened a Basin Advisory Panel to develop a plan for managing the groundwater resources of the subbasin through a collaborative process. The Basin Advisory Panel was convened and began meeting in December 2011. The Panel consists of 30 members representing key groundwater interests: Agriculture (Dairies, Farmers & Grape Growers and Wineries); Business / Developers; Environmental; Government (Tribal, State, County, and Cities); Public Health; Rural Residential Well Owners; and Water Supply & Groundwater Technical Expertise.

**Q7. Additional Information:**

**Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

Cooperative Agreement to Provide Funding and Support for Santa Rosa Plain Groundwater Management Plan Development

**Q8. Additional Information**

**Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".**

No Other Contribution

**Q9. Eligibility:**

contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

City of Santa Rosa Utilities Department 69 Stony Circle Santa Rosa, CA 95401

#### Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

Yes. The City's 2010 UWMP was deemed complete by DWR on December 19, 2011.

#### Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

#### Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

N/A

### Section : Application Attachments Tab

#### APPLICATION ATTACHMENTS TAB

##### Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att#1\_LGA12\_SantaRosa\_AuthDoc\_1of2.pdf,Att#1\_LGA12\_SantaRosa\_AuthDoc\_2of2.pdf

##### Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att#2\_LGA12\_SantaRosa\_EligDoc\_1of1.pdf

##### Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments:

Att#3\_LGA12\_SantaRosa\_GWMP\_2of3.pdf,Att#3\_LGA12\_SantaRosa\_GWMP\_3of3.pdf,Att#3\_LGA12\_SantaRosa\_GWMP\_1of3.pdf

##### Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att#4\_LGA12\_SantaRosa\_ProjD\_1of1.pdf

##### Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att#5\_LGA12\_SantaRosa\_WrkPln\_1of1.pdf

##### Attachment 6. Budget

**Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att#6\_LGA12\_SantaRosa\_BUDGET\_1of1.xls.pdf

#### **Attachment 7. Schedule**

**Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att#7\_LGA12\_SantaRosa\_SCHED\_1of1.pdf

#### **Attachment 8. Quality Assurance**

**Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att#8\_LGA12\_SantaRosa\_QA\_1of1.pdf,Att#8\_LGA12\_SantaRosa\_QA\_2of2.pdf

#### **Attachment 9. Past Performance**

**Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att#9\_LGA12\_SantaRosa\_PERFORM\_1of1.pdf

#### **Attachment 10. AB1420 and Water Meter Implementation Compliance**

**Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att#10\_LGA12\_SantaRosa\_1420\_1of1.pdf

---